

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-8 (Canceled).

Claim 9 (Currently Amended): An attitude detection sensor comprising:
three magnetic sensing parts that detect magnetic field strength in respective
directions along three axes perpendicular to each other; and
two tilt sensing parts that detect tilt angles around two axes perpendicular to each
other;
wherein each tilt sensing part includes a cantilever having a magnet body that moves
in accordance with the tilt angle, and a magnetic detection head that detects a displacement of
the magnet body,
the three magnetic sensing parts and the two magnetic detection heads are each
formed using a magnetic detection element of a same type, and
at least one electronic circuit for controlling the five magnetic detection elements, the
three magnetic sensing parts, and the two tilt sensing parts is are disposed in a single package
in a form of a module.

Claim 10 (Currently Amended): ~~A small-sized~~ An attitude detection sensor according
to Claim 9, wherein the magnetic detection elements used to form the three respective
magnetic sensing parts and the magnetic detection elements used to form the two respective
magnetic detection heads are each formed using a magneto-impedance sensor element.

Claim 11 (Previously Presented): An attitude detection sensor according to Claim 9,
wherein each cantilever is in a form of a strip beam, a first end of which is fixed to a substrate

of the package via a supporting post, and the magnet body is disposed on a second end of which the cantilever is rotatable in a direction normal to a main plane of the cantilever, and the cantilever is disposed such that the direction of the rotation is parallel with the surface of the substrate.

Claim 12 (Previously Presented): An attitude detection sensor according to Claim 9, wherein two electronic circuits each having a change-over switch are used in a time-sharing manner to control the five magnetic detection elements.

Claim 13 (Previously Presented): An attitude detection sensor according to Claim 9, wherein an electronic circuit having a change-over switch is used in a time-sharing manner to control the five magnetic detection elements.

Claim 14 (Previously Presented): An attitude detection sensor according to Claim 9, wherein the attitude detection sensor has a function of making a correction by subtracting the value of a magnetic field measured by a magnetic sensing part disposed in parallel with the magnetic detection head of each tilt sensing part from the value of a magnetic field measured by the magnetic detection head of each tilt sensing part.

Claim 15 (Previously Presented): An attitude detection sensor according to Claim 9, wherein the attitude detection sensor is in a form of a surface-mounting chip with a width equal to or less than 6 mm, a depth equal to or less than 6 mm, and a height equal to or less than 2 mm.

Claim 16 (Previously Presented): A portable telephone comprising an attitude detection sensor according to Claim 9, a central processing unit, and a memory element for storing an operation program,

wherein the central processing unit is configured to download a signal output from each magnetic detection sensor and performs a predetermined operation in accordance with the operation program.